

**WATER AUTHORITY OF GREAT NECK NORTH
2018 DISTRIBUTION SYSTEM TESTING RESULTS**

Supplement to the 2018 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

PHYSICAL (PHY. 1)				VOLATILE HALOCARBONS (POC's)				VOLATILE HALOCARBONS (POC'S)						
MCL	MAX	MIN	AVG	No. FQ.	MCL	MAX	MIN	AVG	No. FQ.	MCL	MAX	MIN	AVG	No. FQ.
* 5	ND	ND	ND	5	5	ND	ND	ND	5	5	ND	ND	ND	5
* 15	ND	ND	ND	5	1,1,1,2-Tetrachloroethane	5	ND	ND	5	5	ND	ND	ND	5
* 3	1	ND	ND	5	1,1,1-Trichloroethane	5	ND	ND	5	5	ND	ND	ND	5
-	18	13	15.2	5	1,1,1,2,2-Tetrachloroethane	5	ND	ND	5	5	ND	ND	ND	5
* Standard and Results are Measured in UNITS														
CORROSIVITY (COR. 1)														
MCL	MAX	MIN	AVG	No. FQ.										
71.7	55.2	62.4	62.4	5	1,1-Dichloroethane	5	ND	ND	5	5	ND	ND	ND	5
-0.5	-1.3	-0.974	-0.974	5	1,1-Dichloropropene	5	ND	ND	5	5	ND	ND	ND	5
7	6	6.8	6.8	5	1,2,3-Trichlorobenzene	5	ND	ND	5	5	ND	ND	ND	5
67.5	48.8	60.58	60.58	5	1,2,3-Trichloropropane	5	ND	ND	5	5	ND	ND	ND	5
230	199	212.8	212.8	5	1,2,4-Trichlorobenzene	5	ND	ND	5	5	ND	ND	ND	5
129	99.7	116.74	116.74	5	1,2,4-Trimethylbenzene	5	ND	ND	5	5	ND	ND	ND	5
DISINFECTION BY-PRODUCTS														
MCL	MAX	MIN	AVG	No. FQ.										
80	3.8	ND	2.06	7	1,2-Dichlorobenzene	5	ND	ND	5	5	ND	ND	ND	5
60	ND	ND	ND	2	1,3-Dichloropropane	5	ND	ND	5	5	ND	ND	ND	5
MICROBIOLOGICAL (MIC.)														
MCL = Not Detect														
Microbiological samples are collected from representative residential taps throughout the peninsula on a weekly basis.														
In 2018, 550 samples were tested with no violations.														
NOTES:														
Sodium: The New York State Department of Health recommends that Sodium not exceed 20mg/L for severely restricted sodium diets and 270 mg/L for moderately restricted sodium diets														
Perchlorate: The primary Action Level is 18 ppb. The Secondary Action Level is 5ppb.														
SYMBOLS USED IN THIS REPORT														
FQ.	Frequency													
MCL	Maximum Allowable Contaminant Level													
N/A	Not Applicable													
ND	Non Detect													
No.	Number of sample tested													
Qtr	Quarterly													
ug/L	Micrograms per Liter (parts per billion)													
mg/L	Milligrams per Liter (parts per million)													

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2018 SOURCE TESTING RESULTS**

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PHYSICAL (PHY.1)	MCL (UNITS)	WELL #2A	WELL #5	WELL #6	WELL #7	WELL #8
Turbidity	5	ND	5.3	5.4	ND	2.9
Color	15	ND	10	ND	5	10
Odor	3	ND	ND	ND	ND	ND
Temperature	Deg. C.	14.2	15	13	14	13
INORGANIC (IOC. 1,2,3)	MCL (mg/L)	WELL #2A (mg/L)	WELL #5 (mg/L)	WELL #6 (mg/L)	WELL #7 (mg/L)	WELL #8 (mg/L)
Antimony	0.006	ND	ND	ND	ND	ND
Arsenic	0.010	ND	ND	ND	ND	ND
Barium	2.0	0.015	0.058	0.041	0.016	0.06
Beryllium	0.004	ND	ND	ND	ND	ND
Cadmium	0.005	ND	ND	ND	ND	ND
Calcium	N/A	15.7	32.9	26.2	27.2	38.8
Chloride	250	48.9	101	37.6	33.5	74.9
Chromium	0.10	ND	ND	ND	ND	ND
Copper	1.3	0.003	0.0046	0.0041	0.022	0.0052
Fluoride	2.2	ND	ND	ND	ND	ND
Free Cyanide	0.2	ND	ND	ND	ND	ND
Iron	0.3	ND	0.46	0.69	0.067	0.22
Lead	0.015	ND	0.001	ND	ND	ND
Magnesium	N/A	8.7	14.6	12.4	12.7	21.2
Manganese	0.3	ND	0.02	0.22	0.011	ND
MBAS	N/A	ND	ND	ND	ND	ND
Mercury	0.002	ND	ND	ND	ND	ND
Nickel	N/A	0.0019	0.00053	0.0013	ND	0.0018
Selenium	0.05	ND	ND	ND	ND	ND
Silver	0.1	ND	ND	ND	ND	ND
Sodium	See Notes	8.8	20.9	13	17.2	21.6
Sulfate	250	19.6	12.5	39.6	30.4	48.8
Thallium	0.002	ND	ND	ND	ND	ND
Zinc	5.0	ND	ND	0.027	0.031	0.054
Ammonia	N/A	ND	1.1	ND	ND	ND
Nitrates	10	3	0.11	0.31	1.2	4.4
Nitrites	1	ND	ND	ND	ND	ND
Perchlorate	See Notes	0.0038	ND	ND	ND	ND
CORROSIVITY (COR.1)						
Calcium Hardness		39.2	82.2	65.4	67.9	96.9
Langelier Index		-2.57	-1.55	-3.84	-1.61	-1.86
PH		7	6	7	7	6
Total Alkalinity		45.7	0	0	79.7	57.8
Disssolved Solids		126	266	166	182	269
Total Hardness		74.9	142	116	120	184

NOTES:

Sodium:

The New York State Department of Health recommends that Sodium not exceed 20 mg/L for severely restricted sodium diets and 270 mg/L for moderately restricted sodium diets.

Perchlorate:

The Primary Action Level is 18 ppb. If a well exceeds the Primary Action Level, the supplier must perform public notification and the well must be taken out of service or appropriate steps (such as blending) must be taken to assure the safety of the public's health.

The Secondary Action Level is 5 ppb. If a well exceeds the Secondary Action Level, State notification is required and the well must be monitored quarterly and operated to reduce the discharge of perchlorate into the distribution system.

ND = NON-DETECT

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PHYSICAL (PHY.1)	MCL (UNITS)	WELL #9	WELL #10A	WELL #11A	WELL #12	WELL #13	WELL #14
Turbidity	5	ND	ND	ND	ND	ND	ND
Color	15	ND	ND	ND	ND	ND	ND
Odor	3	ND	ND	ND	ND	ND	ND
Temperature	Deg. C.	14	13	14	13	15	13
INORGANIC (IOC. 1,2,3)	MCL (mg/L)	WELL #9 (mg/L)	WELL #10A (mg/L)	WELL #11A (mg/L)	WELL #12 (mg/L)	WELL #13 (mg/L)	WELL #14 (mg/L)
Antimony	0.006	ND	ND	ND	ND	ND	ND
Arsenic	0.010	ND	ND	ND	ND	ND	ND
Barium	2.0	0.035	0.017	0.021	0.0036	0.01	0.0075
Beryllium	0.004	ND	ND	ND	ND	ND	ND
Cadmium	0.005	ND	ND	ND	ND	ND	ND
Calcium	N/A	30.5	18.2	15.5	7.9	28.3	15.8
Chloride	250	72.6	23.8	7.1	51.4	78.1	86.1
Chromium	0.10	ND	ND	ND	ND	ND	ND
Copper	1.3	ND	0.0033	ND	0.009	0.0043	0.0043
Fluoride	2.2	ND	ND	ND	ND	ND	ND
Free Cyanide	0.2	ND	ND	ND	ND	ND	ND
Iron	0.3	0.037	ND	0.057	ND	ND	ND
Lead	0.015	0.0012	ND	ND	ND	ND	ND
Magnesium	N/A	14.6	9.8	7.4	5.4	17	9
Manganese	0.3	ND	ND	ND	ND	ND	ND
MBAS	N/A	ND	ND	ND	ND	ND	ND
Mercury	0.002	ND	ND	ND	ND	ND	ND
Nickel	N/A	0.00074	0.00052	0.0013	ND	0.0012	ND
Selenium	0.05	ND	ND	ND	ND	ND	ND
Silver	0.1	ND	ND	ND	ND	ND	ND
Sodium	See Notes	26.7	8.6	5.9	8.6	21.2	6.4
Sulfate	250	39.7	25.4	17.5	ND	23.3	34
Thallium	0.002	ND	ND	ND	ND	ND	ND
Zinc	5.0	0.021	ND	ND	ND	ND	ND
Ammonia	N/A	ND	ND	0.53	ND	ND	ND
Nitrates	10	3.1	2.4	1	1.8	2.8	1.5
Nitrites	1	ND	ND	ND	ND	ND	ND
Perchlorate	See Notes	ND	ND	ND	0.0017	ND	ND
CORROSIVITY (COR.1)							
Calcium Hardness		76.2	45.4	38.7	19.8	70.7	39.5
Langelier Index		-1.56	-2.57	-2.04	-2.86	-1.6	-2.15
PH		7	6	7	6	7	6.5
Total Alkalinity		68.7	52.6	49.3	23.8	61	49.8
Disssolved Solids		232	109	96	75	282	109
Total Hardness		136	85.6	69.3	41.9	141	76.5

NOTES:

Sodium:

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Perchlorate:

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The Secondary Action Level is 5 ppb. If a well exceeds the Secondary Action Level, State notification is required and the well must be monitored quarterly and operated to reduce the discharge of perchlorate into the distribution system.

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PESTICIDES AND HERBICIDES (SOC. 1,2)	MCL (ug/L)	WELL #2A (ug/L)	WELL #5 (ug/L)	WELL #6 (ug/L)	WELL #7 (ug/L)	WELL #8 (ug/L)
Alachlor	2.0	ND	ND	ND	ND	ND
Aldicarb	3.0	ND	ND	ND	ND	ND
Aldicarb Sulfoxide	4.0	ND	ND	ND	ND	ND
Aldicarb Sulfone	2.0	ND	ND	ND	ND	ND
Atrazine	3.0	ND	ND	ND	ND	ND
Carbofuran	40.0	ND	ND	ND	ND	ND
Chlorodane	2.0	ND	ND	ND	ND	ND
DBCP or 1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND	ND	ND
2,4-D	50.0	ND	ND	ND	ND	ND
Endrin	2.0	ND	ND	ND	ND	ND
1,2- Dibromoethane	0.05	ND	ND	ND	ND	ND
Heptachlor	0.4	ND	ND	ND	ND	ND
Heptachlor Expoxide	0.2	ND	ND	ND	ND	ND
Lindane	0.2	ND	ND	ND	ND	ND
Methoxychlor	40.0	ND	ND	ND	ND	ND
Pentachlorophenol	1.0	ND	ND	ND	ND	ND
Toxaphene	3.0	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	10.0	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.2	ND	ND	ND	ND	ND
Butachlor	50.0	ND	ND	ND	ND	ND
Carbaryl	50.0	ND	ND	ND	ND	ND
Dalapon	50.0	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) adipate	50.0	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalates	6.0	ND	ND	ND	ND	ND
Dicamba	50.0	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND
Dinoseb	7.0	ND	ND	ND	ND	ND
Glyphosate	50.0	ND	ND	ND	ND	ND
Hexachlorobenzene	1.0	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	ND	ND	ND	ND	ND
3-Hydroxycarbofuran	50.0	ND	ND	ND	ND	ND
Methomyl	50.0	ND	ND	ND	ND	ND
Metolachlor	50.0	ND	ND	ND	ND	ND
Metribuzin	50.0	ND	ND	ND	ND	ND
Oxamyl	50.0	ND	ND	ND	ND	ND
Pichloram	50.0	ND	ND	ND	ND	ND
Propachlor	50.0	ND	ND	ND	ND	ND
Simazine	4.0	ND	ND	ND	ND	ND
Total PCB's	0.5	ND	ND	ND	ND	ND
Endothol	50.0	ND	ND	ND	ND	ND
Diquat	20.0	ND	ND	ND	ND	ND
Dioxin	0.00003	ND	ND	ND	ND	ND

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PESTICIDES AND HERBICIDES (SOC. 1,2)	MCL (ug/L)	WELL #9 (ug/L)	WELL #10A (ug/L)	WELL #11A (ug/L)	WELL #12 (ug/L)	WELL #13 (ug/L)	WELL #14 (ug/L)
Alachlor	2.0	ND	ND	ND	ND	ND	ND
Aldicarb	3.0	ND	ND	ND	ND	ND	ND
Aldicarb Sulfoxide	4.0	ND	ND	ND	ND	ND	ND
Aldicarb Sulfone	2.0	ND	ND	ND	ND	ND	ND
Atrazine	3.0	ND	ND	ND	ND	ND	ND
Carbofuran	40.0	ND	ND	ND	ND	ND	ND
Chlorodane	2.0	ND	ND	ND	ND	ND	ND
DBCP or 1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND	ND	ND	ND
2,4-D	50.0	ND	ND	ND	ND	ND	ND
Endrin	2.0	ND	ND	ND	ND	ND	ND
1,2- Dibromoethane	0.05	ND	ND	ND	ND	ND	ND
Heptachlor	0.4	ND	ND	ND	ND	ND	ND
Heptachlor Expoxide	0.2	ND	ND	ND	ND	ND	ND
Lindane	0.2	ND	ND	ND	ND	ND	ND
Methoxychlor	40.0	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.0	ND	ND	ND	ND	ND	ND
Toxaphene	3.0	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	10.0	ND	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.2	ND	ND	ND	ND	ND	ND
Butachlor	50.0	ND	ND	ND	ND	ND	ND
Carbaryl	50.0	ND	ND	ND	ND	ND	ND
Dalapon	50.0	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) adipate	50.0	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalates	6.0	ND	ND	ND	ND	ND	ND
Dicamba	50.0	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND	ND
Dinoseb	7.0	ND	ND	ND	ND	ND	ND
Glyphosate	50.0	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	1.0	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	ND	ND	ND	ND	ND	ND
3-Hydroxycarbofuran	50.0	ND	ND	ND	ND	ND	ND
Methomyl	50.0	ND	ND	ND	ND	ND	ND
Metolachlor	50.0	ND	ND	ND	ND	ND	ND
Metribuzin	50.0	ND	ND	ND	ND	ND	ND
Oxamyl	50.0	ND	ND	ND	ND	ND	ND
Pichloram	50.0	ND	ND	ND	ND	ND	ND
Propachlor	50.0	ND	ND	ND	ND	ND	ND
Simazine	4.0	ND	ND	ND	ND	ND	ND
Total PCB's	0.5	ND	ND	ND	ND	ND	ND
Endothol	50.0	ND	ND	ND	ND	ND	ND
Diquat	20.0	ND	ND	ND	ND	ND	ND
Dioxin	0.00003	ND	ND	ND	ND	ND	ND

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VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	WELL #2A (ug/L)			WELL #9 (ug/L)			TREATED WELLS 2A & 9 (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	1.20	0.57	0.71	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	6.70	2.20	4.04	2.30	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities. The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter. Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

ND = NON-DETECT

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VOLATILE HALOCARBONS (POC's- Continued)	MCL (ug/L)	WELL #2A (ug/L)			WELL #9 (ug/L)			TREATED WELLS 2A & 9 (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	12.40	1.40	6.40	2.90	ND	0.18	ND	ND	ND
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	8.40	4.00	6.24	2.30	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	WELL #5 (ug/L)			WELL #6 (ug/L)			TREATED WELL #6 (ug/L)			WELL #7 (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	2.90	1.10	1.99	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	0.82	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	2.80	ND	ND	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	0.67	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	0.61	ND	ND	ND	ND	ND

NOTES:

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.

The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter.

Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

ND = NON-DETECT

**WATER AUTHORITY OF GREAT NECK NORTH
2018 SOURCE TESTING RESULTS**

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VOLATILE HALOCARBONS (POC's - Continued)	MCL (ug/L)	WELL #5 (ug/L)			WELL #6 (ug/L)			TREATED WELL #6 (ug/L)			WELL #7 (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	0.67	ND	ND	2.80	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	ND	ND	ND	1.20	ND	0.71	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
 The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.
 The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter.
 Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

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VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	TREATED								
		WELL #8 (ug/L)			WELL #8 (ug/L)			WELL #10A (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	0.51	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	2.70	ND	0.33	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	1.60	ND	ND	ND	ND	ND

NOTES:

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities. The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter. Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

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**WATER AUTHORITY OF GREAT NECK NORTH
2018 SOURCE TESTING RESULTS**

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VOLATILE HALOCARBONS (POC's- Continued)	MCL (ug/L)	WELL #8 (ug/L)			TREATED WELL #8 (ug/L)			WELL #10A (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	0.66	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	13.90	10.30	11.89	ND	ND	ND	ND	ND	ND
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	4.90	ND	0.86	ND	ND	ND
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.

The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter.

Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

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VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	WELL #11A (ug/L)			WELL #12 (ug/L)			WELL #13 (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	ND	ND	ND	0.55	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	0.62	ND	0.18	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND	1.90	ND	0.92	0.98	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	8.80	ND	2.99	9.20	ND	3.60
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities. The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter. Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

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VOLATILE HALOCARBONS (POC's- Continued)	MCL (ug/L)	WELL #11A (ug/L)			WELL #12 (ug/L)			WELL #13 (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	0.73	ND	0.19	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	0.84	0.57	0.73	1.40	ND	0.15	1.50	ND	0.19
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	ND	ND	ND	2.90	0.56	1.38	2.50	ND	0.66
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities. The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter. Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

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VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	WELL #14 (ug/L)			TREATED WELLS 12, 13 & 14					
					AIR STRIPPER - A (ug/L)			AIR STRIPPER - B (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	0.69	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	6.50	ND	0.50	6.60	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	6.30	ND	2.18	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	2.80	ND	ND	1.20	ND	ND

NOTES:

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities. The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter. Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

ND = NON-DETECT

**WATER AUTHORITY OF GREAT NECK NORTH
2018 SOURCE TESTING RESULTS**

Supplement to the 2018 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

VOLATILE HALOCARBONS (POC's- Continued)	MCL (ug/L)	WELL #14 (ug/L)			TREATED WELLS 12, 13 & 14					
		HIGH	LOW	AVG	AIR STRIPPER - A (ug/L)			AIR STRIPPER - B (ug/L)		
					HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	1.30	ND	0.39	ND	ND	ND	ND	ND	ND
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	8.10	ND	0.94	7.80	ND	0.00
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	1.60	ND	0.09	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

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**WATER AUTHORITY OF GREAT NECK NORTH
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CHLORIDES	HIGH	LOW	AVG
WELL # 2A	48.9	17.5	31.8
WELL # 5	101.0	83.3	92.7
WELL # 6	37.6	30.1	35.2
WELL # 7	33.5	30.5	31.8
WELL # 8	74.9	65.4	68.1
WELL # 9	72.6	54.3	61.8
WELL # 10A	23.8	14.0	20.3
WELL # 11A	7.1	6.4	6.8
WELL # 12	51.4	20.0	36.9
WELL # 13	78.1	57.2	69.6
WELL # 14	86.1	5.7	46.8

**WATER AUTHORITY OF GREAT NECK NORTH
2018 SOURCE TESTING RESULTS FOR RADIONUCLIDES**

Supplement to the 2018 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

ANALYSIS CATEGORY	MCL (pCi/L)	WELL #2A (pCi/L)	WELL #5 (pCi/L)	WELL #6 (pCi/L)	WELL #7 (pCi/L)	WELL #8 (pCi/L)	WELL #9 (pCi/L)	WELL #10A (pCi/L)	WELL #11A (pCi/L)	WELL #12 (pCi/L)	WELL #13 (pCi/L)	WELL #14 (pCi/L)
Gross Alpha	15.0	0.891	0.402	1.86	0.028	-0.472	0.411	0.893	0.539	1.02	0.134	0.929
Gross Beta	4.0	0.999	1.09	1.68	2.9	1.93	2.99	2.27	0.657	1.65	2.85	1.27
Radium 226	5.0	0.554	0.585	0.571	0.257	0.114	0.187	0.158	0.0798	0.367	0.521	0.623
Radium 228	(Combined Radium 226/228)	0.33	1.23	0.586	1.5	0.408	0.41	0.942	0.832	0.381	0.369	0.594

NOTES REFLECTING THE NASSAU COUNTY DEPARTMENT OF HEALTH MONITORING REQUIREMENTS REGARDING RADIONUCLIDES:

Gross Alpha particle activity measurement may be substituted for:

- * Radium - 226 if Gross Alpha is less than or equal to 5 pCi/L.
- * Uranium if Gross Alpha is less than or equal to 15 pCi/L.

Gross Alpha Substitution for Determining Monitoring Frequency

1. If the reported Gross Alpha result is less than 3 pCi/L, substitute one half the reported Gross Alpha result for the Ra-226 and /or Uranium value.
2. If the reported Gross Alpha result is greater than or equal to 3 pCi/L, use the reported Gross Alpha result for the Ra-226 and /or Uranium value.
3. If the reported Gross Alpha result is reported as a negative value, use zero (0) reported Gross Alpha result for the Ra-226 and/or Uranium value.

Gross Alpha Substitution for Determining Monitoring Frequency

1. **Gross Alpha** - If the reported Gross Alpha result is less than 3 pCi/L, use zero as a result for the Gross Alpha value.
2. **Ra-226** - If the reported Ra-226 value is less than 1 pCi/L, use zero as a result for the Ra-226 value.
3. **Ra-228** - If the reported Ra-228 value is less than 1 pCi/L, use zero as a result for the Ra-228 value.
4. **Uranium** - If the reported Uranium value is less than 1 ug/L, use zero as a result for the Uranium value.

Nassau County Health Department Monitoring Requirements state that 1 sample per well must be taken every 3 years when the monitoring results are less than or equal to the MCL. The monitoring period for 3 years is 1/1/2017 - 12/31/2019. Quarterly Sampling shall be conducted at each well when the monitoring results are above the MCL. A MCL violation is based on a running annual average of 4 consecutive quarters. A well can revert to a 3-year cycle once 4 consecutive quarters of monitoring are completed and all sample results are below the MCL.

Next 3 year period for Radionuclide Sampling is expected to be 1/1/2020 - 12/31/2022.